

Table 7. Percentile values of selected physical properties and chemical constituents in water samples from domestic, municipal, and monitoring wells completed in alluvial aquifers in eastern Iowa and southern Minnesota

[mg/L, milligrams per liter; µg/L, micrograms per liter; <, less than]

Physical property or chemical constituent (unit of measurement)	Percentiles								
	Domestic wells			Municipal wells			Monitoring wells		
	10th	Median	90th	10th	Median	90th	10th	Median	90th
Physical properties									
Well depth (feet below land surface)	15	43	125	28	41	65	16	19	28
pH (standard units)	6.6	7.0	7.4	6.7	7.3	7.6	6.1	6.9	7.3
Major ions									
Calcium (mg/L)	42	67	101	65	82	110	48	77	121
Sulfate (mg/L)	.8	31	73	27	60	120	6.7	29	115
Chloride (mg/L)	.4	8.8	23	8.0	15	28	4.2	16	86
Fluoride (mg/L)	<.2	<.2	.3	<.2	<.2	.3	<.2	<.2	.3
Nutrients									
Ammonia (mg/L)	<.10	<.10	1.4	<.10	<.10	.30	<.10	<.10	.23
Pesticide									
Atrazine (µg/L)	<.10	<.10	.17	<.10	<.10	.32	<.10	<.10	.20